

Genetic Engineering Debate

The Question:
Do You Support
Genetic Engineering?
Why or why not?

Your task:

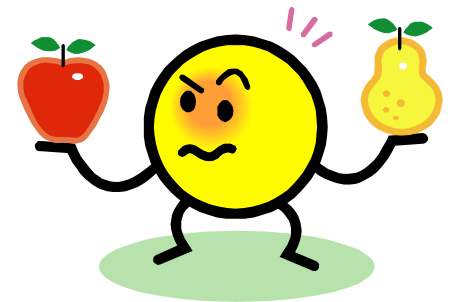


To examine the issue of Genetically Engineered/Modified organisms and argue a side WITH EVIDENCE:



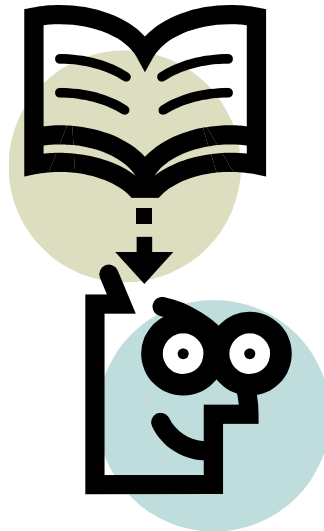
Determining Positions

- ★ You will be assigned a role for the debate:
 - ❑ PRO (Support Genetic Engineering) - **North**
 - ❑ CON (Against Genetic Engineering) - **South**
- ★ You will read articles to research the issue.
- ★ You will have 1 class period to conduct research to support your side of the argument.



Research Instructions

- ★ On our WEBSITE, you will find “**GE Readings**”
 - ✧ Choose an article from **your level** (see next slide)
 - ✧ Record information you think supports your side.
- ★ You *may* record more than one piece of information from the same article.
- ★ You **MUST** use at least **TWO*** articles, and have have at least **5 points** total.



***Honors** = 3 articles required, use any level

Hour 3 Groups (winter MAP)

Group/Level 1:

Ben K, Ben S, Cris, Elma, John,
Lindsey, Melanie, Paola, Sabrina, Elizabeth F

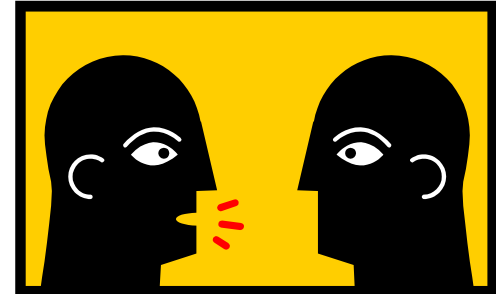
Group/Level 2:

Taya, Maddie, Jordan, Dayanara, Priya,
Jaden, Eddie, Nik, Franklin, Ashley

Group/Level 3:

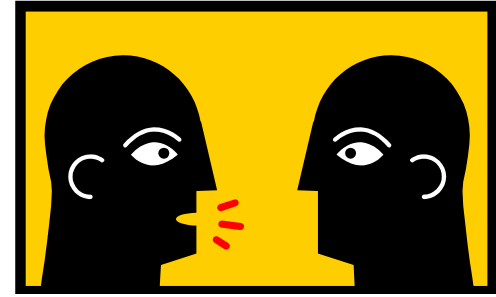
Savanna, Blake, Nabil, Zaina, Sarai,
Victoria, Erin, Elizabeth P

The Debate



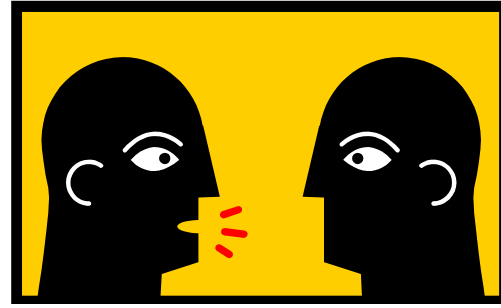
- ★ The PRO side will open with their arguments first.
- ★ CONS must wait to respond.
- ★ While listening, the CONS should take notes (back side of handout) on things they would like to respond to.

The Debate



- ★ After the PROS are done presenting their side, they will sit and LISTEN.
- ★ While listening, the PROS should take notes (back side of handout) to prepare for a response.
- ★ After all arguments have been made by both sides, the floor will be open for all.

The Debate



- ★ ONLY talk when you have the “Talking Stick”
 - Pass freely and include EVERYONE.
- ★ ALWAYS cite your source and what you think or the person/point you are responding to:

Examples

“The GM Debate article said... **and I think...**”

“I disagree with Susie **who said...** because the... article said genetic engineering is only used in plants.”

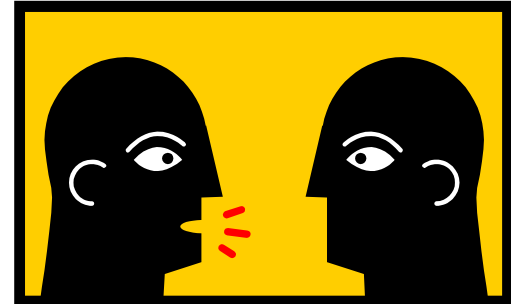
Discussion Guidelines

During the discussion we...

- criticize **ideas**, but not people
- give opinions, and clear reasons for them
- use **examples** (when possible)
- ask questions for clarification
- remain focused on the evidence.
- ****have a responsibility to participate.**

Let the Debate Begin!

The Debate



Examples

“The GM Debate article said... **and I think...**”

OR

“I disagree with Susie **who said...** because the... article said genetic engineering is only used in plants.”

Self-Evaluation

★ Respond on the bottom of handout
(back page)

★ Please BE HONEST

- This helps you to be aware of what you did well.
- It also helps you to identify what you can improve on for future discussions.



**(4)
Excellent**

**(3)
Good**

**(2)
Fair**

**(1)
Poor**

Speaking

I spoke an appropriate amount.

My ideas are very understandable and can always be heard.

I could speak a little more or less.

It is usually easy to hear and understand what I am saying.

I need to work on participating more.

My ideas can be heard and/or understood some of the time.

I did not share my ideas.

I need to remember that my ideas are important.

Listening

I am a respectful, attentive listener.

I do not create distractions and pay attention even if there are distractions.

I am usually attentive and respectful.

I could work on giving my full attention at all times.

I am sometimes attentive and/or respectful.

I am sometimes day-dreaming, doodling or whispering.

My listening skills definitely need work.

I do not give speakers my attention.

Self-Evaluation



What can I do to improve?

Record the **TOP 2** areas you think you could improve on:

- _____ dominating the discussion
- _____ whispering with those around me
- _____ sharing more of my ideas
- _____ speaking loudly so everyone can hear me
- _____ daydreaming
- _____ inappropriate comments, faces, or responses
- _____ doodling or working on other work during the discussion
- _____ spend more time preparing for the discussion

Self-Evaluation



Now create a Google Doc in you Science Folder

Title it: Last Name, First Name, GE Fixes (no spaces needed)

Write down at least 2 things you will do different next time.

Record the **TOP 2** areas you think you could improve on:

- _____ dominating the discussion
- _____ whispering with those around me
- _____ sharing more of my ideas
- _____ speaking loudly so everyone can hear me
- _____ daydreaming
- _____ inappropriate comments, faces, or responses
- _____ doodling or working on other work during the discussion
- _____ spend more time preparing for the discussion

Genetic Engineering Reflection

- Open Google Drive
- Open your Folder for this class
- Create a New Document in that folder
- Title the document:

Last Name,First Name,GEReflection

(no spaces needed)

- Answer the question (next slide)



Genetic Engineering Reflection

- What is your REAL belief?
- Do you support genetic engineering or not?
- Why?
 - Give **at least 3 reasons** to support your position.
 - This should be **at least 5 complete sentences**.

Example:

My real belief is that genetic engineering is...

I think this because...

